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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Attorney Docket No. 03848.00061

First Inventor Arnold J. Levine

Title P-53 REGULATED GENES

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Express Mail Label No

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 21 ]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings ( if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 20 ]
5. Oath or Declaration [Total Pages 3 ]  
a. ☐ Newly executed (original or copy)  
b. ☒ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney  
Citations
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☒ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)of prior application No: 09 / 442,039Prior application information: Examiner M. ShibuyaGroup / Art Unit: 1635

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label22,907or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Sarah A. Kagan

Registration No. (Attorney/Agent)

32,141

Signature



Date

January 8, 2001

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comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark  
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**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision

Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   |                  |
| Filing Date          | January 8, 2001  |
| First Named Inventor | Arnold J. Levine |
| Examiner Name        | M. Shibuya       |
| Group / Art Unit     | 1635             |
| Attorney Docket No.  | 03848.00061      |

TOTAL AMOUNT OF PAYMENT (\$ 710)

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to.

Deposit Account Number: 19-0733

Deposit Account Name: Banner & Wilcoff, Ltd

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status See 37 CFR 1.27

2. ☐ Payment Enclosed

☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Fee Code | Entity (\$) | Small Fee Code | Entity (\$) | Fee Description        | Fee Paid |
|----------------|-------------|----------------|-------------|------------------------|----------|
| 101            | 710         | 201            | 355         | Utility filing fee     | 710      |
| 106            | 320         | 206            | 160         | Design filing fee      |          |
| 107            | 490         | 207            | 245         | Plant filing fee       |          |
| 108            | 710         | 208            | 355         | Reissue filing fee     |          |
| 114            | 150         | 214            | 75          | Provisional filing fee |          |

SUBTOTAL (1)

(\$ 710)

## 2. EXTRA CLAIM FEES

Total Claims:  -20\*\* =  X  =

Independent Claims:  -3\*\* =  X  =

Multiple Dependent:  X  =

| Large Fee Code | Entity (\$) | Small Fee Code | Entity (\$) | Fee Description  |
|----------------|-------------|----------------|-------------|--|
| 103            | 18          | 203            | 9           | Claims in excess of 20                                     |
| 102            | 80          | 202            | 40          | Independent claims in excess of 3                          |
| 104            | 270         | 204            | 135         | Multiple dependent claim, if not paid                      |
| 109            | 80          | 209            | 40          | ** Reissue independent claims over original patent         |
| 110            | 18          | 210            | 9           | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$ 0)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

| Large Fee Code | Entity (\$) | Small Fee Code | Entity (\$) | Fee Description  | Fee Paid |
|----------------|-------------|----------------|-------------|--|----------|
| 105            | 130         | 205            | 65          | Surcharge - late filing fee or oath  |          |
| 127            | 50          | 227            | 25          | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139            | 130         | 139            | 130         | Non-English specification  |          |
| 147            | 2,520       | 147            | 2,520       | For filing a request for reexamination                                     |          |
| 112            | 920*        | 112            | 920*        | Requesting publication of SIR prior to Examiner action                     |          |
| 113            | 1,840*      | 113            | 1,840*      | Requesting publication of SIR after Examiner action                        |          |
| 115            | 110         | 215            | 55          | Extension for reply within first month                                     |          |
| 116            | 390         | 216            | 195         | Extension for reply within second month                                    |          |
| 117            | 890         | 217            | 445         | Extension for reply within third month                                     |          |
| 118            | 1,390       | 218            | 695         | Extension for reply within fourth month                                    |          |
| 128            | 1,890       | 228            | 945         | Extension for reply within fifth month                                     |          |
| 119            | 310         | 219            | 155         | Notice of Appeal   |          |
| 120            | 310         | 220            | 155         | Filing a brief in support of an appeal                                     |          |
| 121            | 270         | 221            | 135         | Request for oral hearing   |          |
| 138            | 1,510       | 138            | 1,510       | Petition to institute a public use proceeding                              |          |
| 140            | 110         | 240            | 55          | Petition to revive - unavoidable   |          |
| 141            | 1,240       | 241            | 620         | Petition to revive - unintentional   |          |
| 142            | 1,240       | 242            | 620         | Utility issue fee (or reissue)   |          |
| 143            | 440         | 243            | 220         | Design issue fee   |          |
| 144            | 600         | 244            | 300         | Plant issue fee  |          |
| 122            | 130         | 122            | 130         | Petitions to the Commissioner  |          |
| 123            | 130         | 123            | 130         | Petitions related to provisional applications                              |          |
| 126            | 180         | 126            | 180         | Submission of Information Disclosure Stmt                                  |          |
| 581            | 40          | 581            | 40          | Recording each patent assignment per property (times number of properties) |          |
| 146            | 710         | 246            | 355         | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149            | 710         | 249            | 355         | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179            | 710         | 279            | 355         | Request for Continued Examination (RCE)                                    |          |
| 169            | 900         | 169            | 900         | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

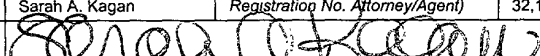
\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 0)

## SUBMITTED BY

Complete (if applicable)

|                   |   |                                  |        |           |                 |
|-------------------|---|----------------------------------|--------|-----------|-----------------|
| Name (Print/Type) | Sarah A. Kagan  | Registration No. Attorney/Agent) | 32,141 | Telephone | 202-508-9151    |
| Signature         |  |                                  |        | Date      | January 8, 2001 |

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